

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> DECLARE

```
2  V_Empno      NUMBER := &EnterEmpno;
3  V_EName      VARCHAR2(30);
4  V_Job        VARCHAR2(30);
5  V_Sal        NUMBER(7, 2);
6  BEGIN
7  SELECT
8  Ename, Job, Sal
9  INTO
10 V_Ename, V_Job, V_Sal
11 FROM EMP
12 WHERE Empno = V_Empno;
13 DBMS_OUTPUT.PUT_LINE('The Name : '||V_Ename);
14 DBMS_OUTPUT.PUT_LINE('The Job : '||V_Job);
15 DBMS_OUTPUT.PUT_LINE('The Sal: '||V_Sal);
16 END;
17 /
```

Enter value for enterempno: 7566

The Name : JONES

The Job : MANAGER

The Sal: 2975

PL/SQL procedure successfully completed.

SQL> DECLARE

```
2  V_Empno      Emp.Empno%TYPE := &EnterEmpno;
3  V_EName      Emp.ENAME%TYPE;
4  V_Job        Emp.Job%TYPE;
5  V_Sal        Emp.Sal%TYPE;
6  BEGIN
7  SELECT
8  Ename, Job, Sal
9  INTO
10 V_Ename, V_Job, V_Sal
11 FROM EMP
12 WHERE Empno = V_Empno;
13 DBMS_OUTPUT.PUT_LINE('The Name : '||V_Ename);
14 DBMS_OUTPUT.PUT_LINE('The Job : '||V_Job);
15 DBMS_OUTPUT.PUT_LINE('The Sal: '||V_Sal);
16 END;
17 /
```

Enter value for enterempno: 7566

The Name : JONES

The Job : MANAGER

The Sal: 2975

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PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Empno          Emp.Empno%TYPE := &EnterEmpNo;
3  V_Ename          Emp.Ename%TYPE;
4  V_Deptno        Emp.Deptno%TYPE;
5  V_Job           Emp.Job%TYPE;
6  V_MGR           Emp.MGR%TYPE;
7  V_HireDate      Emp.HireDate%TYPE;
8  V_Sal           Emp.Sal%TYPE;
9  V_Comm          Emp.Comm%TYPE;
10 V_MGRName       Emp.Ename%TYPE;
11 BEGIN
12 SELECT
13 Ename, Deptno, Job, MGR, HireDate, Sal, Comm
14 INTO
15 V_Ename , V_Deptno, V_Job, V_MGR, V_HireDate, V_Sal, V_Comm
16 FROM Emp
17 WHERE Empno = V_Empno;
18 IF V_MGR IS NOT NULL THEN
19 SELECT Ename INTO V_MGRName
20 FROM Emp
21 WHERE Empno = V_MGR;
22 ELSE
23 SELECT Ename INTO V_MGRName
24 FROM Emp
25 WHERE MGR IS NULL;
26 END IF;
27 DBMS_OUTPUT.PUT_LINE('The Details of Employee Number  '||V_Empno||'
Requested by You Are ...');
28 DBMS_OUTPUT.PUT_LINE('The Employee Name :  '||INITCAP(V_Ename));
29 DBMS_OUTPUT.PUT_LINE('The Department Number : '||V_Deptno);
30 DBMS_OUTPUT.PUT_LINE('The Designation : '||INITCAP(V_Job));
31 DBMS_OUTPUT.PUT_LINE('The Manager Number :
'||NVL(TO_CHAR(V_MGR), "Cannot be Managed")||' , and his Name is :
'||V_MGRName);
32 DBMS_OUTPUT.PUT_LINE('The Joining Date :
'||TO_CHAR(V_HireDate, 'FMDD, Month Year'));
33 DBMS_OUTPUT.PUT_LINE('The Basic Salary : '||CONCAT('INR
', TO_CHAR(V_Sal, '99,999.99')));
34 DBMS_OUTPUT.PUT_LINE('The Commission Earned :
'||NVL(TO_CHAR(V_Comm), 'No Commission...Sorry!'));
```

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```
35* END;
SQL> /
Enter value for enterempno: 7566
The Details of Employee Number 7566 Requested by You Are ...
The Employee Name : Jones
The Department Number : 20
The Designation : Manager
The Manager Number : 7839 , and his Name is : KING
The Joining Date : 2, April Nineteen Eighty-One
The Basic Salary : INR 2,975.00
The Commission Earned : No Commission...Sorry!
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> DECLARE
2  V_EmpRecord Emp%ROWTYPE;
3  BEGIN
4  SELECT * INTO V_EmpRecord
5  FROM Emp
6  WHERE Empno = &EnterEmpno;
7  DBMS_OUTPUT.PUT_LINE('The Name : '|| V_EmpRecord.Ename);
8  DBMS_OUTPUT.PUT_LINE('The Job : '|| V_EmpRecord.Job);
9  DBMS_OUTPUT.PUT_LINE('The Salary : '|| V_EmpRecord.Sal);
10 DBMS_OUTPUT.PUT_LINE('The Commission : '|| V_EmpRecord.Comm);
11 DBMS_OUTPUT.PUT_LINE('The Gross Salary : ' || (V_EmpRecord.Sal +
NVL(V_EmpRecord.Comm, 0)));
12 END;
13 /
Enter value for enterempno: 7566
The Name : JONES
The Job : MANAGER
The Salary : 2975
The Commission :
The Gross Salary : 2975
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> DECLARE
2  V_Num1 NUMBER(2) := &GNum1;
3  BEGIN
4  DBMS_OUTPUT.PUT_LINE('The V_Num1 is : '|| V_Num1);
5  DECLARE
6  V_Num2 NUMBER(2) := V_Num1;
7  V_Num3 NUMBER(2) := &GNum3;
```

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```
8  Result NUMBER;
9  BEGIN
10  DBMS_OUTPUT.PUT_LINE('The V_Num3 is : '||V_Num3);
11  Result := V_Num2 + V_Num3;
12  DBMS_OUTPUT.PUT_LINE('The Sum of '||V_Num2||' And '||V_Num3||' is
'||Result);
13  END;
14  END;
15  /
```

Enter value for gnum1: 25
Enter value for gnum3: 45
The V_Num1 is : 25
The V_Num3 is : 45
The Sum of 25 And 45 is 70

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gnum1: 55
Enter value for gnum3: 75
The V_Num1 is : 55
The V_Num3 is : 75
The Sum of 55 And 75 is 130
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gnum1: 125
Enter value for gnum3: 45
DECLARE
*
ERROR at line 1:
ORA-06502: PL/SQL: numeric or value error: number precision too large
ORA-06512: at line 2
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Num1 NUMBER(3) := &GNum1;
3  BEGIN
4  DBMS_OUTPUT.PUT_LINE('The V_Num1 is : '||V_Num1);
5  DECLARE
6  V_Num2 NUMBER(2) := V_Num1;
7  V_Num3 NUMBER(2) := &GNum3;
8  Result NUMBER;
9  BEGIN
```

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```
10 DBMS_OUTPUT.PUT_LINE('The V_Num3 is : '||V_Num3);
11 Result := V_Num2 + V_Num3;
12 DBMS_OUTPUT.PUT_LINE('The Sum of '||V_Num2||' And '||V_Num3||' is
'||Result);
13 END;
14* END;
SQL> /
Enter value for gnum1: 125
Enter value for gnum3: 45
The V_Num1 is : 125
DECLARE
*
ERROR at line 1:
ORA-06502: PL/SQL: numeric or value error: number precision too large
ORA-06512: at line 6
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1 DECLARE
2 V_Num1 NUMBER(&GiveSize) := &GNum1;
3 BEGIN
4 DBMS_OUTPUT.PUT_LINE('The V_Num1 is : '||V_Num1);
5 DECLARE
6 V_Num2 V_Num1%TYPE := V_Num1;
7 V_Num3 NUMBER(2) := &GNum3;
8 Result NUMBER;
9 BEGIN
10 DBMS_OUTPUT.PUT_LINE('The V_Num3 is : '||V_Num3);
11 Result := V_Num2 + V_Num3;
12 DBMS_OUTPUT.PUT_LINE('The Sum of '||V_Num2||' And '||V_Num3||' is
'||Result);
13 END;
14* END;
SQL> /
Enter value for givesize: 1
Enter value for gnum1: 5
Enter value for gnum3: 45
The V_Num1 is : 5
The V_Num3 is : 45
The Sum of 5 And 45 is 50
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givesize: 2
Enter value for gnum1: 45
```

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```
Enter value for gnum3: 55
The V_Num1 is : 45
The V_Num3 is : 55
The Sum of 45 And 55 is 100
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givesize: 3
Enter value for gnum1: 525
Enter value for gnum3: 45
The V_Num1 is : 525
The V_Num3 is : 45
The Sum of 525 And 45 is 570
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givesize: 4
Enter value for gnum1: 3256
Enter value for gnum3: 45
The V_Num1 is : 3256
The V_Num3 is : 45
The Sum of 3256 And 45 is 3301
```

PL/SQL procedure successfully completed.

```
SQL> DECLARE
  2  EmpRecord Emp%ROWTYPE;
  3  V_EmpRecord EmpRecord%TYPE;
  4  BEGIN
  5  SELECT * INTO V_EmpRecord
  6  FROM EMP
  7  WHERE Empno = &EnterEmpno;
  8  DBMS_OUTPUT.PUT_LINE('The Name : ' || V_EmpRecord.Ename);
  9  DBMS_OUTPUT.PUT_LINE('The Job : ' || V_EmpRecord.Job);
 10  DBMS_OUTPUT.PUT_LINE('The Salary : ' || V_EmpRecord.Sal);
 11  DBMS_OUTPUT.PUT_LINE('The Commission : ' || V_EmpRecord.Comm);
 12  DBMS_OUTPUT.PUT_LINE('The Gross Salary : ' || (V_EmpRecord.Sal +
 13  NVL(V_EmpRecord.Comm, 0)));
 14  END;
```

```
Enter value for enterempno: 7566
The Name : JONES
The Job : MANAGER
The Salary : 2975
The Commission :
The Gross Salary : 2975
```

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PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
  2  V_Empno Emp.Empno%TYPE := &EnterEmpNo;
  3  V_EmpRecord Emp%ROWTYPE;
  4  V_MGRName Emp.Ename%TYPE;
  5  BEGIN
  6  SELECT
  7  Empno, Ename, Job, Sal, MGR
  8  INTO
  9  V_EmpRecord.Empno,
10  V_EmpRecord.Ename,
11  V_EmpRecord.Job,
12  V_EmpRecord.Sal,
13  V_EmpRecord.MGR
14  FROM Emp
15  WHERE Empno = V_Empno;
16  IF V_EmpRecord.MGR IS NOT NULL THEN
17  SELECT Ename INTO V_MGRName
18  FROM Emp
19  WHERE Empno = V_EmpRecord.MGR;
20  ELSE
21  SELECT Ename INTO V_MGRName
22  FROM Emp
23  WHERE MGR IS NULL;
24  END IF;
25  DBMS_OUTPUT.PUT_LINE('The Details of Employee Number
'||V_EmpRecord.Empno||' Requested by You Are ...');
26  DBMS_OUTPUT.PUT_LINE('The Employee Name :
'||INITCAP(V_EmpRecord.Ename));
27  DBMS_OUTPUT.PUT_LINE('The Manager Number :
'||NVL(TO_CHAR(V_EmpRecord.MGR),'Cannot be Managed')||' , and his Name
is : '||V_MGRName);
28  DBMS_OUTPUT.PUT_LINE('The Designation :
'||INITCAP(V_EmpRecord.Job));
29  DBMS_OUTPUT.PUT_LINE('The Basic Salary : '||CONCAT('INR
',TO_CHAR(V_EmpRecord.Sal,'99,999.99')));
30  END;
31  /
Enter value for enterempno: 7654
The Details of Employee Number 7654 Requested by You Are ...
The Employee Name : Martin
The Manager Number : 7698 , and his Name is : BLAKE
The Designation : Salesman
The Basic Salary : INR 1,250.00
```

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PL/SQL procedure successfully completed.

SQL> ED

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```
1  DECLARE
2  V_EmpRecord Emp%ROWTYPE;
3  V_Empno V_EmpRecord.Empno%TYPE := &EnterEmpNo;
4  V_MGRName V_EmpRecord.Ename%TYPE;
5  BEGIN
6  SELECT
7  Empno, Ename, Job, Sal, MGR
8  INTO
9  V_EmpRecord.Empno,
10 V_EmpRecord.Ename,
11 V_EmpRecord.Job,
12 V_EmpRecord.Sal,
13 V_EmpRecord.MGR
14 FROM Emp
15 WHERE Empno = V_Empno;
16 IF V_EmpRecord.MGR IS NOT NULL THEN
17 SELECT Ename INTO V_MGRName
18 FROM Emp
19 WHERE Empno = V_EmpRecord.MGR;
20 ELSE
21 SELECT Ename INTO V_MGRName
22 FROM Emp
23 WHERE MGR IS NULL;
24 END IF;
25 DBMS_OUTPUT.PUT_LINE('The Details of Employee Number
'||V_EmpRecord.Empno||' Requested by You Are ...');
26 DBMS_OUTPUT.PUT_LINE('The Employee Name :
'||INITCAP(V_EmpRecord.Ename));
27 DBMS_OUTPUT.PUT_LINE('The Manager Number :
'||NVL(TO_CHAR(V_EmpRecord.MGR),'Cannot be Managed')||' , and his Name
is : '||V_MGRName);
28 DBMS_OUTPUT.PUT_LINE('The Designation :
'||INITCAP(V_EmpRecord.Job));
29 DBMS_OUTPUT.PUT_LINE('The Basic Salary : '||CONCAT('INR
',TO_CHAR(V_EmpRecord.Sal,'99,999.99')));
30 END;
```

SQL>

Enter value for enterempno: 7654

The Details of Employee Number 7654 Requested by You Are ...

The Employee Name : Martin

The Manager Number : 7698 , and his Name is : BLAKE

The Designation : Salesman

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The Basic Salary : INR 1,250.00

PL/SQL procedure successfully completed.

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SQL> ED

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```
1  DECLARE
2  V_Empno Emp.Empno%TYPE := &EnterEmpNo;
3  V_EmpRecord Emp%ROWTYPE;
4  V_DeptRecord Dept%ROWTYPE;
5  V_SalGradeRecord SalGrade%ROWTYPE;
6  V_MGRName Emp.Ename%TYPE;
7  BEGIN
8  SELECT * INTO V_EmpRecord
9  FROM Emp
10 WHERE Empno = V_Empno;
11 SELECT * INTO V_DeptRecord
12 FROM Dept
13 WHERE Deptno = V_EmpRecord.Deptno;
14 SELECT * INTO V_SalGradeRecord
15 FROM SalGrade
16 WHERE V_EmpRecord.Sal BETWEEN LoSal AND HiSal;
17 IF V_EmpRecord.MGR IS NOT NULL THEN
18 SELECT Ename INTO V_MGRName
19 FROM Emp
20 WHERE Empno = V_EmpRecord.MGR;
21 ELSE
22 SELECT Ename INTO V_MGRName
23 FROM Emp
24 WHERE MGR IS NULL;
25 END IF;
26 DBMS_OUTPUT.PUT_LINE('The Details of Employee Number
'||V_EmpRecord.Empno||' Requested by You Are ...');
27 DBMS_OUTPUT.PUT_LINE('The Employee Name :
'||INITCAP(V_EmpRecord.Ename));
28 DBMS_OUTPUT.PUT_LINE('The Department Number :
'||V_EmpRecord.Deptno||', Department Name is
'||INITCAP(V_DeptRecord.Dname)||', and is Situated at
'||INITCAP(V_DeptRecord.Loc));
29 DBMS_OUTPUT.PUT_LINE('The Designation :
'||INITCAP(V_EmpRecord.Job));
30 DBMS_OUTPUT.PUT_LINE('The Manager Number :
'||NVL(TO_CHAR(V_EmpRecord.MGR),'Cannot be Managed')||', and his Name
is : '||V_MGRName);
```

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```
31 DBMS_OUTPUT.PUT_LINE('The Joining Date :  
'||TO_CHAR(V_EmpRecord.HireDate,'FMDD, Month Year')||' You Are Serving Us  
Since : '||TRUNC((SYSDATE - V_EmpRecord.HireDate)/365)||' Years.');
```

```
32 DBMS_OUTPUT.PUT_LINE('The Basic Salary : '||CONCAT('INR  
'||TO_CHAR(V_EmpRecord.Sal,'99,999.99'))||' and his Grade as Per Salary is  
'||V_SalGradeRecord.Grade);
```

```
33 DBMS_OUTPUT.PUT_LINE('The Commission Earned : '||CONCAT('INR  
NVL(TO_CHAR(V_EmpRecord.Comm, '99G999D99'),'No Commission...Sorry!')));
```

```
34 DBMS_OUTPUT.PUT_LINE('The Gross Salary Earned : '||CONCAT('INR  
TO_CHAR((V_EmpRecord.Sal + NVL(V_EmpRecord.Comm,0)), '99G999D99')));
```

```
35* END;
```

```
SQL> /
```

Enter value for enterempno: 7654

The Details of Employee Number 7654 Requested by You Are ...

The Employee Name : Martin

The Department Number : 30, Department Name is Sales, and is Situated at Chicago

The Designation : Salesman

The Manager Number : 7698, and his Name is : BLAKE

The Joining Date : 28, September Nineteen Eighty One You Are Serving Us Since : 33 Years.

The Basic Salary : INR 1,250.00 and his Grade as Per Salary is 2

The Commission Earned : INR 1,400.00

The Gross Salary Earned : INR 2,650.00

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> DECLARE  
2 V_Empno NUMBER(4) := &EnterEmpNo;  
3 TYPE EmpRecordType IS RECORD  
4 (  
5 V_Ename VARCHAR2(30),  
6 V_Deptno NUMBER(2),  
7 V_Job VARCHAR2(30)  
8 );  
9 EmpRecord EmpRecordType;  
10 BEGIN  
11 SELECT  
12 Ename, Deptno, Job  
13 INTO  
14 EmpRecord.V_Ename , EmpRecord.V_Deptno, EmpRecord.V_Job  
15 FROM Emp  
16 WHERE Empno = V_Empno;  
17 DBMS_OUTPUT.PUT_LINE('The Details of Employee Number '||V_Empno||'  
Requested by You Are ...');
```

```
18 DBMS_OUTPUT.PUT_LINE('The Employee Name : '||EmpRecord.V_Ename);
```

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```
19 DBMS_OUTPUT.PUT_LINE('The Department Number :  
'||EmpRecord.V_Deptno);  
20 DBMS_OUTPUT.PUT_LINE('The Designation : '||EmpRecord.V_Job);  
21 END;  
22 /
```

Enter value for enterempno: 7654

The Details of Employee Number 7654 Requested by You Are ...

The Employee Name : MARTIN

The Department Number : 30

The Designation : SALESMAN

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE  
2 V_Empno NUMBER(4) := &EnterEmpNo;  
3 V_Ename VARCHAR2(30);  
4 V_Deptno NUMBER(2);  
5 V_Job VARCHAR2(30);  
6 BEGIN  
7 SELECT  
8 Ename, Deptno, Job  
9 INTO  
10 V_Ename , V_Deptno, V_Job  
11 FROM Emp  
12 WHERE Empno = V_Empno;  
13 DBMS_OUTPUT.PUT_LINE('The Details of Employee Number '||V_Empno||'  
Requested by You Are ...');  
14 DBMS_OUTPUT.PUT_LINE('The Employee Name : '||V_Ename);  
15 DBMS_OUTPUT.PUT_LINE('The Department Number : '||V_Deptno);  
16 DBMS_OUTPUT.PUT_LINE('The Designation : '||V_Job);  
17* END;  
SQL> /
```

Enter value for enterempno: 7654

The Details of Employee Number 7654 Requested by You Are ...

The Employee Name : MARTIN

The Department Number : 30

The Designation : SALESMAN

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE  
2 V_Empno NUMBER(4) := &EnterEmpNo;
```

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```
3  TYPE EmpRecordType IS RECORD
4  (
5  Ename VARCHAR2(30),
6  Deptno NUMBER(2),
7  Job      VARCHAR2(30),
8  MGR      NUMBER(4),
9  HireDate DATE,
10 Sal      NUMBER(7,2),
11 Comm     NUMBER(7,2)
12 );
13 EmpRecord EmpRecordType;
14 BEGIN
15 SELECT
16 Ename, Deptno, Job, MGR, HireDate, Sal, Comm
17 INTO
18 EmpRecord.Ename , EmpRecord.Deptno, EmpRecord.Job, EmpRecord.MGR,
EmpRecord.HireDate, EmpRecord.Sal, EmpRecord.Comm
19 FROM Emp
20 WHERE Empno = V_Empno;
21 DBMS_OUTPUT.PUT_LINE('The Details of Employee Number '||V_Empno||'
Requested by You Are ...');
22 DBMS_OUTPUT.PUT_LINE('The Employee Name : '||EmpRecord.Ename);
23 DBMS_OUTPUT.PUT_LINE('The Department Number : '||EmpRecord.Deptno);
24 DBMS_OUTPUT.PUT_LINE('The Designation : '||EmpRecord.Job);
25 DBMS_OUTPUT.PUT_LINE('The Manager Number : '||EmpRecord.MGR);
26 DBMS_OUTPUT.PUT_LINE('The Joining Date : '||EmpRecord.HireDate);
27 DBMS_OUTPUT.PUT_LINE('The Basic Salary : '||EmpRecord.Sal);
28 DBMS_OUTPUT.PUT_LINE('The Commission Earned : '||EmpRecord.Comm);
29* END;
SQL> /
Enter value for enterempno: 7654
The Details of Employee Number 7654 Requested by You Are ...
The Employee Name : MARTIN
The Department Number : 30
The Designation : SALESMAN
The Manager Number : 7698
The Joining Date : 28-SEP-81
The Basic Salary : 1250
The Commission Earned : 1400

PL/SQL procedure successfully completed.
SQL> SPPOOL OFF
```

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